

TABLE OF CONTENTS

APPROVAL.....	ii
SELF DECLARATION AGAINST PLAGIARISM.....	iii
ABSTRACT	iv
ABSTRAK	v
DEDICATION.....	vi
TABLE OF CONTENTS	viii
LIST OF TABLES.....	x
LIST OF FIGURES	xi
LIST OF ABBREVIATIONS	xii
CURRICULUM VITAE	xiii
CHAPTER 1: INTRODUCTION.....	1
1.1 Overview of Fraud in Data and Internet Services.....	1
1.2 Background of the Problem.....	3
1.3 Problem Statement	6
1.4 Objective.....	6
1.5 Scope and Delimitation	7
1.6 Contribution and Significant.....	8
1.7 Thesis Organization.....	8
CHAPTER 2: REVIEW OF LITERATURES AND STUDIES	10
2.1 Existing Works.....	11
2.2 Principal Component Analysis	12
2.3 Naive Bayes Classifier	14
2.4 Evaluating Classifier Performance.....	20
2.5 Summary.....	27
CHAPTER 3: METHODOLOGY AND SYSTEM DESIGN	29
3.1 Research Methodology.....	29
3.2 System Design	30
3.3 Population/Sampling	37

3.3	Instrumentation and Data Collection.....	40
3.4	Tools for Data Analysis.....	42
3.5	Summary.....	44
CHAPTER 4: EXPERIMENT RESULTS AND ANALYSIS.....		45
4.1	Experiment Results	45
4.2	Analysis of the Data	51
4.3	Summary of Findings	58
CHAPTER 5: CONCLUSIONS AND FUTURE WORKS.....		60
5.1	Conclusions.....	60
5.2	Future Works	60
BIBLIOGRAPHY.....		61
Appendix A		64
Appendix B.....		69